

<http://dx.doi.org/10.11646/zootaxa.3681.3.12>
<http://zoobank.org/urn:lsid:zoobank.org:pub:79ECAFFA-EF33-40E8-AEC3-2B6A147AE5CC>

MICHELLE ARNAL & MARÍA E. PÉREZ (2013) A new acaremyid rodent (Hystricognathi: Octodontoidea) from the middle Miocene of Patagonia (South America) and considerations on the early evolution of Octodontoidea *Zootaxa*, 3616(2), 119–134.

In the recently published paper “A new acaremyids rodent (Hystricognathi: Octodontoidea) from the middle Miocene of Patagonia (South America) and considerations on the early evolution of Octodontoidea” *Zootaxa* 3616 (2): 119–134, the order of the characters in the character list (Appendix 2) is different from the data matrix (appendix 1). The appendices are reproduced below in the correct order.

APPENDIX 1. Character-taxon matrix used for phylogenetic analysis. Characters in bold represent continuous characters. Characters between brackets represent polymorphic or uncertain scorings.

Taxon	10	20
<i>Phiomys andrewsi</i>	0.466 000000010	0110000000
<i>Deseadomys arambourgi</i>	?101000100	01[01]0000110
<i>Plattypitامys brachyodon</i>	?000000010	0000000110
<i>Migraveramus beatus</i>	0.640 1000???11	101000?0?0
<i>Galileomys antelucanus</i>	0.941 01001[01]000	0100101110
<i>Acaremys murinus</i>	0.583-0.767 01001[01]000	0010101110
<i>Sciamys principalis</i>	0.909-1.161 110021000	[01]010101110
<i>Sciamys petisensis</i> sp. nov.	1.523 1100???0	10101011?0
<i>Protacaremys prior</i>	0.588 0001??1??	?1100000?0
<i>Chasichimys bonaerense</i>	1.213 1111??0?	??21101?2?0
<i>Chasicomys octodontiforme</i>	?1101??0??	?21101?2?0
<i>Octomys mimax</i>	?11?1??0??	??110110?1
<i>Massoiamys obliquus</i>	?1111?????	?2100102?0
<i>Eumysops laeviplicatus</i>	1.075 1001??0??	?210010200
<i>Stichomys regularis</i>	0.681 1011??1??	?210000210

APPENDIX 2. List of characters used in the phylogenetic analysis. An asterisk with the characters signifies some modification to the original character. No name explanation after the character means that it is a new character. The following multistate characters are treated as ordered: 6, and 12.

General dental characters

1. Hypsodonty (Vucetich & Kramarz 2003)*: treated as a continuous character (see Table 3).
2. Cusp differentiation (Vucetich & Kramarz 2003): yes (0); no (1). This character is evaluated in juvenile specimens.
3. Figure-eight-shape dental pattern on M1-M2 (Vucetich & Kramarz 2003)*: absent (0), present (1). Vucetich & Kramarz (2003) do not distinguish between upper and lower figure-eight-shape dental pattern. We divided this character, and differentiate into upper and lower teeth pattern (see character 13).
4. Crest obliquity on m1-m3 (Vucetich & Kramarz 2003)*: transversal to the anteroposterior axis of the teeth (0), anterolabially-posterolingually oblique (1). All crests should be oblique to consider character state 1. We take into account only lower molars.
5. Deciduous premolars (Vucetich & Kramarz 2003): normal replacement (0), retention (1). For the living *Octomys mimax* we followed Verzi (1994) who proposed that euhypsodont octodontids retain deciduous premolars through life.
6. Hypoflexus on P4 (Vucetich & Kramarz 2003)*: absent or incipient (0), poorly developed (1), well developed (2). In cases as in *Platypittamys brachyodon* and *Deseadomys arambourgi* where there is a shallow sink on the lingual border of the tooth, we considered it as character state 0. In other, as in *Galileomys antelucanus* and *Acaremys murinus* where the hypoflexus is present, but less developed than in molars we considered it as character state 1. When the hypoflexus is as developed as in the molars (*Sciamys principalis*) we considered it character state 2.
7. Crest number on P4 (Vucetich & Kramarz 2003): three (0), four (1).
8. Quadrangular area of protocone in upper molars (Vucetich & Kramarz 2003): no (0), yes (1).
9. Flexid on the anterior wall of the p4 (Vucetich & Kramarz 2003): present (0), absent (1).
10. Metalophulid II on p4 (Vucetich & Kramarz 2003)*: short (0), long (1).
11. Talonid crest of p4 (Vucetich & Kramarz 2003): simple (0), complex (1). It is in reference to the presence or absence of hypolophid.
12. Development of metalophulid II on m1-m2 (Vucetich & Kramarz 2003): complete (0), variably developed along the tooth row (1), absent (2). The term “metalophulid II” replaces “mesolophid” of Vucetich & Kramarz (2003).
13. Posterolopid length (Vucetich & Kramarz 2003): short (0), long (1).
14. Discontinuity between the masseteric crest and the fossete for the insertion of the M. masseter medialis pars infraorbitalis (Vucetich & Kramarz 2003): absent (0), present (1).
15. Anterodorsal limit of the masseteric fossa (Vucetich & Kramarz 2003): absent (0), present (1).
16. Mental foramen (Vucetich & Kramarz 2003): present (0), absent (1).
17. Figure-eight-shape dental pattern on m1-m2 (Vucetich & Kramarz 2003)*: absent (0), present (1). See explanation of character 7.
18. Anteroposterior length of the anterior lobe on m1-m2 respect anteroposterior length of posterior lobe: subequal (0); about 75% (1); less than 50% (2).
19. Metaloph on M1-M3: present and united to the posteroloph (0); present and united to the anterior arm of the hypocone (1).
20. Roots: present (0), absent (1).